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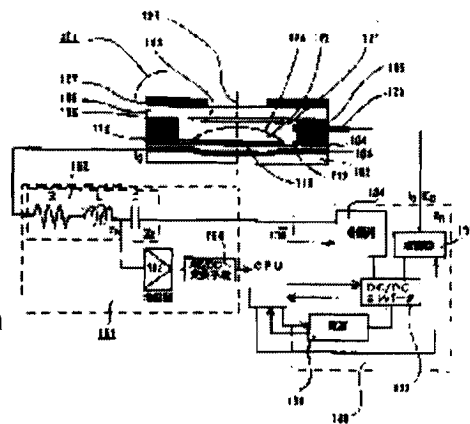
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(54) CAPACITANCE DETECTOR FOR OPTICAL ELEMENT, AND OPTICAL DEVICE WITH IT

(57)Abstract:

PROBLEM TO BE SOLVED: To provide a capacitance detector capable of accurately detecting the capacitance corresponding to the deformation change of a variable focus lens as an optical element with a simple constitution, without installing a capacitance detecting electrode, and accurately controlling various actions of the optical device based on the detection results, and to provide an optical device with the capacitance detector.

SOLUTION: The detector is provided with the optical element whose optical property is changed in accordance with a change in a surface shape when a voltage is applied between a 1st electrode and a 2nd electrode arranged in a container, a power feeding means for applying a prescribed voltage on the electrodes so as to change the surface shape, a control means for controlling the apply voltage and a capacitance detecting means for detecting the capacitance between the 1st electrode and the 2nd electrode, and the capacitance corresponding to the change in the surface shape of the optical element is detected by the capacitance detecting means, and the optical device is provided with the capacitance detector.



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